### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 14 October 2004 (14.10.2004)

**PCT** 

(10) International Publication Number WO 2004/087553 A1

- (51) International Patent Classification<sup>7</sup>: F16G 15/00
- B66C 1/12.
- (74) Agent: EHRNER & DELMAR PATENTBYRÅ AB; Box 10316, S-100 55 STOCKHOLM (SE).

(21) International Application Number:

PCT/SE2004/000255

- (22) International Filing Date: 25 February 2004 (25.02.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0300914-9

31 March 2003 (31.03.2003) SE

- (71) Applicant (for all designated States except US): FRENO-LINK FÖRVALTNINGS AB [SE/SE]; Västerskärsringen
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): FREDRIKSSON, Lars [SE/SE]; Västerskärsringen 34, S-184 92 ÅKERS-BERGA (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

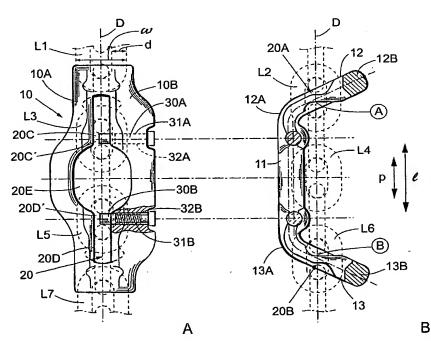
- CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

  (84) Designated States (unless otherwise indicated, for every
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

#### (54) Title: A CHAIN SHORTENING DEVICE

34, S-184 92 ÅKERSBERGA (SE).



(57) Abstract: A chain shortening device is described. The device has the general shape of the letter "C". A single slot (20) extends longitudinally along the elongated body (10) of the device. The single slot has a central widened portion defining a lead-through opening (20E) through which a loop of an associated chain can be inserted, whereby the device can be handled as a separate unit and be attached sideways to an associated chain.



#### 

#### Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.